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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,688 06/21/2006		David Astely	P18773-US1	9515 -
27045 ERICSSON IN	7590 10/31/2007 IC.	10/31/2007 EXAMINE		INER
6300 LEGACY			NGUYEN, LEE	N, LEE
M/S EVR 1-C-			ART UNIT	PAPER NUMBER
PLANO, TX 7	5024		2618	
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			MAIL DATE	DELIVERY MODE
			10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Commence	10/596,688	ASTELY ET AL.			
Office Action Summary	Examiner	Art Unit			
	LEE NGUYEN	2618			
The MAILING DATE of this communication appeared for Reply	ears on the cover sheet with the co	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 Responsive to communication(s) filed on This action is FINAL. 2b) ∑ This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
 4) Claim(s) 8-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 8-12 is/are rejected. 7) Claim(s) 13 and 14 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers		•			
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Date 5) Notice of Informal Pa	te			

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DETAILED ACTION

Information Disclosure Statement

1. The IDS filed 6/21/06 has been considered and recorded in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 8-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Vook et al. (US 2004/0178954).

Regarding claim 8, Vook et al teach a method in an transmitter of a multi-carrier system, said transmitter (102, fig. 1) transmitting one or more data streams over a set of M antennas 104 to a plurality of mobile terminals 101, comprising the steps of: transmitting a number of pilot sequences comprising an ordered set of symbols (fig. 5, step 504), wherein each symbol is associated with a predetermined time and frequency resource and a complex transmission weight for each antenna (para [0005], [0021]); adapting the transmission weights associated to the pilot sequences to achieve an optimization of an

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objective function of the set of quality indicators, which the mobile terminals have derived from measurements of at least one downlink channel property (steps 510 – 514, fig. 5); transmitting said pilot sequences with the adapted transmission weights (step 516, fig. 5); and, transmitting one or several information streams using the one or several of the adapted transmission weights (step 516, fig. 5, para [0061]).

Regarding claims 9-12, the "wherein" and "adapted to" clauses are not given weight, see M.P.E.P § 2111.04.

Allowable Subject Matter

4. Claims 13-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 13, the prior art of record fail to teach that the step of adapting the transmission weights comprises the steps of: applying current and previous measurement reports and transmission weights to derive a subset of best weights; and, using said subset to generate the adapted transmission weights.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEE NGUYEN whose telephone number is 571-272-7854. The examiner can normally be reached on 8:00 - 4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ANDERSON D. MATTHEW can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or \$71-274-1000.

Primary Examiner
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